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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/811,070	03/29/2004	Gustaaf Willem Van Der Feltz	1857.2780000	8087	
	26111 7590 10/31/2008 STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.			EXAMINER	
1100 NEW YORK AVENUE, N.W.			KIM, PETER B		
WASHINGTON, DC 20005			ART UNIT	PAPER NUMBER	
			2851		
			MAIL DATE	DELIVERY MODE	
			10/31/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)		
	10/811,070	VAN DER FELTZ ET AL.		
Office Action Summary	Examiner	Art Unit		
	Peter B. Kim	2851		
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet with the o	correspondence address		
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION .136(a). In no event, however, may a reply be tind d will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).		
Status				
1) Responsive to communication(s) filed on <u>08</u> (is action is non-final. ance except for formal matters, pro			
Disposition of Claims				
4) Claim(s) 13-19,23,24,35 and 37 is/are pendir 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 13-19,23,24,35 and 37 is/are rejected 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/	awn from consideration.			
9) The specification is objected to by the Examin	ner .			
10) The drawing(s) filed on is/are: a) ac Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	cepted or b) objected to by the edrawing(s) be held in abeyance. Se ction is required if the drawing(s) is ob	e 37 CFR 1.85(a). ejected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 10/8/2008.	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate		

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on Oct. 8, 2008 has been entered.

Remarks

After considering the newly submitted reference and a review of the claims, the allowability is withdrawn.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 13-16, 19, 23, 24, and 27-35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ottens et al. (Ottens) (2007/0257209).

Ottens discloses a lithographic apparatus and a device manufacturing method comprising an illumination system (SO, IL), a patterning system (MT, MA), a substrate support (WT), a projection system (PL), a temperature measuring system (Fig. 6), a calculating system (Fig. 6), an adjusting system that adjusts the substrate temperature to compensate for deformation (para

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0115-0133). Ottens discloses measuring a first set of temperature corresponding to a first different region of a substrate; forming a first pattern of alignment features at first region having the measured first set of temperature; measuring a first set of spatial distribution of the first pattern; measuring a second set of temperature corresponding to a second different region; forming a second pattern of alignment features at a second region having the first set of temperature; measuring a second set of spatial distribution of the second pattern and determining a dimensional response from difference between the first and the second spatial distributions (Fig. 6, para 0116-0133). Also, Ottens discloses temperature measure system comprising at least one sensor that measure the temperature of the substrate at each of plurality of regions across the surface, sensors distributed across the support and sensing the temperature of an adjacent region of the substrate (para 0116). Ottens also discloses temperature mapping system, the calculating system that develops a model of the substrate (Fig. 6). Hashimoto discloses device manufacturing method and the method of establishing a model comprising emitting projection beam, imparting to the beam a pattern, supporting a substrate, projection the pattern to target portion of the substrate (para 0116-0133), measuring temperature of the substrate, calculating a dimensional response and adjusting the spatial characteristics, and deriving a model of the dimensional response (para 0067, para 0116).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person

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Claims 17, and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ottens et al. (Ottens) in view of Feder et al. (Feder) (2004/0012404).

Ottens discloses the claimed invention as discussed above; however, Ottens does not disclose the temperature sensor located above the substrate. Feder discloses in para 0032, the temperature sensor located above the substrate. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to provide the temperature sensor above the substrate in the invention of Ottens where the sensors are in a linear array extending transversely in order to accurately measure the temperature of the substrate.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter B. Kim whose telephone number is (571) 272-2120. The examiner can normally be reached on 9:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diane Lee can be reached on (571) 272-2399. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Peter B. Kim/ Primary Examiner, Art Unit 2851

October 25, 2008